Ontario Ministry of Northern Development and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

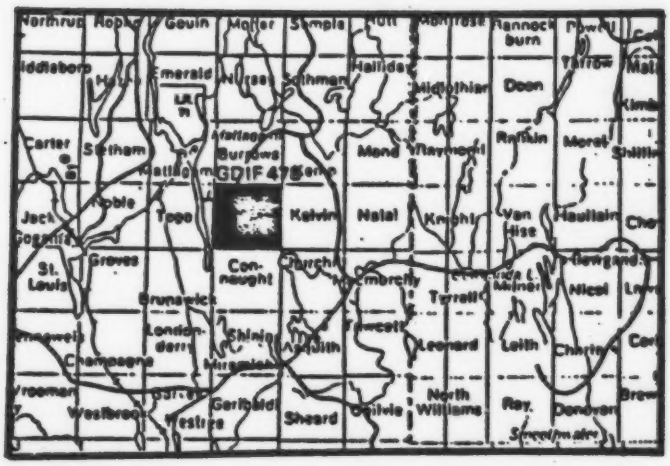
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 478(CO)

CABOT TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP Scale 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Agreement

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

89-06312/

NTS Number 41P/11 and 41P/14

Mining Claim Map Number M-695

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1989 Cabot Township, District of Sudbury, Ontario Geological Survey Geological Data Inventory Folio 478, Compiled by the Staff of the Resident Geologist's Office, Cobalt, 31 pages and 2 maps.

Original Compilation by: Patricia Anderson, July 20, 1988

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CABOT TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 Map

Exploration Data Map - 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	**2.589 988**	km^2
1 ha	2.471 054	acres	1 acre	**0.404 685 6**	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	**0.028 316 85**	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	**0.764 555**	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	**0.568 261**	L
1 L	0.879 877	quarts	1 quart	**1.136 522**	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	**28.349 523**	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.048 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	**34.285 714 2**	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	**1.714 285 7**	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	Yes	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
▲ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . Galena
△ gt. . . . . Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
▲ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
▲ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
▲ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
▲ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur. . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
△ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

CABOT TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Jonsmith-Glenburk	Au, Ag, Co- major Ni, Cu, Pb- minor	MDIR# S-0539 SMDR# 001944	MDC 18, pt. 2, p. 51	OGS, 1976, Map P.1104 OGS, 1981, OFR 5348, pp.54-59 Cabot Twp. AF, Jonsmith Mines Ltd., AFRO #63.1146, 1962 and #63.1147, 1962 Texas Gulf Canada Ltd., AFRO #2.3483, 1980 OGS, 1980, Map P.2313 OGS, 1978, Map P.1514
B.	Saville, Thomas (Canadian Johns-Manville, Claw Lake - Molybdenum)	Au, Mo - major Cu, Pb - minor	MDIR# S-0538 SMDR# 001945	MRC 7, p.66 MDC 18, pt. 2, pp.50-51 NMI #41P/11 MO 1	OGS, 1976, Map P.1104 OGS, 1934, AR vol. 43, pt. 3, p.68 OGS, 1981, OFR 5348, pp.43-49 OGS, 1980 Map P.2313 OGS, 1978, Map P.1514 GSC, 1963, Econ. Geol. Rpt. No. 20 Cabot Twp. AF, Canadian Johns-Manville Co. Ltd., AFRO #63.2992 and #2.1035, 1972 (cont.)

GDIF FORM NO. 1

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
B.	Saville- Thomas (continued)				Cabot Twp., AF Amax Minerals Exploration Ltd., AFRO #2.3284, 1980 Claw Lake Molybdenum Mines Ltd., 1965 Northern Miner, February 16, 1967

GDIF FORM NO. 1

CABOT TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1.	Property 1a - Jonsmith Mines Ltd. (1960-1976) & Property 1b - Glenburk Mines Ltd. (1960-1964)	61		61 62	60 63	60 63		63 63 62				61	61							
2.	Texasgulf Canada Ltd.											80	80							
3.	Claw Lake Gold Mines Ltd.																			
	Saville, Thomas - 1919-1922 - original gold discovery																			
	Ventures Ltd. (option)			22																
	Porcupine-Kirkland Gold Mines Ltd.	26			26[1]															
	Claw Lake Gold Mines Ltd., 1946-1960 (owner)	46			46	46		47												
	- 1946 drilling by Paymaster Consolidated Mines Ltd.																			
	Claw Lake Molybdenum Mines Ltd., 1960-1967, (owner) 196? (5DDH = 1916')			61	65 6?			65 65				6?								

GDIF FORM NO. 2

CABOT TOWNSHIP 6

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
4.	Canadian Johns-Manville Co. Ltd., 1971-1975 (owner)	72	72 72					72 72				72	72 72							
5.	Amax Minerals Exploration Ltd.								80											
6.	Manwa Exploration Services Ltd., Asquith, Cabot, Churchill & Connaught Twp.; Cabot Tp. claims owned by:								85	85 85	85									
6a	John Tomac (4 claims)																			
6b	James R.B. Parres (4 claims)																			
6c	Carl P. Forbes (12 claims)																			
6d	Gary Forbes (17 claims)																			
7.	Dea, A. & I.			83 84 85																

GDIF FORM NO. 2

CABOT TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COABLT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
8.	Kennco Explorations (Canada) Ltd.; Claw Lake Group, (Elemer Galata - owner) AFRO #63.2784	69		69									70							
9.	New Lorie Mines Ltd.							63 63												
10.	Hanna Mining Company, The, Cabot & Burrows Twps.	76			76	76			75	75		76	76							
11.	Premier Explorations Inc. AFRO #2.10867								88	88										
12.	Porcupine-Kirkland Gold Mines Ltd. (AR 43, pt. 3, p.69)	26			26[1]															

[1] Material on file, not located on map.

GDIF FORM NO. 2

7

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Jonsmith Mines Ltd.	1	1960	150	-45	0	113	py, po, cp	Au, Cu, Zn
		2	1960	330	-45	0	102	py	Au
		3	1960	315	-45	0	112	py, po, cp	Au, Cu
		4	1960	170	-45	0	103	py	Au
		5	1960	045	-45	0	103	py	Au
		6	1960	150	-45	0	102	py	Au
2	Jonsmith Mines Ltd.	7	1960	270	-45	0	106.6	py	
		8	1960	090	-45	0	108.5	py	
		9	1960	000	-45	0	58	py, cp	Au
		12	1960	180	-85	0	31	py, cp	Au, Cu
3	Jonsmith Mines Ltd.	10	1960	290	-45	0	62	gn, Cu, py, cp	Ag, Cu, Pb
		11	1960	150	-45	0	54	py	Au
		13	1960	330	-45	0	37	py	Au
4	Jonsmith Mines Ltd.	1B	1963	315	-45	2	384	mag, py, cp	
		2B	1963	280	-45	2	219	mag, cp, py	
		3B	1963	-	-90	7	366	mag, cp, py	
		4B	1963	225	-50	5	428	cp, py	
		5B	1963	180	-50	8	270	mag	

GDIF FORM NO. 3

CABOT TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
4	Jonsmith Mines Ltd. (continued)	6B	1963	246	-50	10	239	py	
		7B	1963	135	-48	11	352	cp, py, mag	
		8B	1963	298	-50	3.5	349	cp, py	
		9B	1963	315	-50	13	254	mag	
		10B	1963	315	-50	0	251	cp	
		11B	1963	-	-90	6	347	mag, cp	
		12B	1963	-	-90	4	415		
5	Jonsmith Mines Ltd.	1	1963	009	-47	0	52	cp, py	
		2	1963	011	-70	0	84	py	
		3	1963	009	-65	0	49		
		4	1963	305	-45	0	47		
		5	1965	303	-45	0	94		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
5	Jonsmith Mines Ltd. (continued)	6	1965	260	-70	0	90		
		7	1965	212	-45	0	65		
		8	1963	212	-45	0	30		
		9A	1963	226	-45	0	80	cp, mag	
		10A	1963	307	-45	0	54	mag	
6	Jonsmith Mines Ltd.	1	1963	025	-45	8	456	py, po, cp, Co	Ag, Au, Ni
		2	1963	025	-45	9	250	cp, py, gn	Ag, Au
		3	1963	035	-45	11	258	py, cp, po	Au, Ag
		4	1963	053	-45	14	656	cp, py, po	Ag, Au
		5	1963	015	-45	8	155	py, asp, cp, po	Ag
		6	1963	009	-45	9	100	py, cp	Ag
		7	1963	017	-45	7	120	cp, py	Ag
		8	1963	020	-45	9	124	py, po, cp, sp, gn, asp	Au, Ag
		9	1963	020	-45	7	123	py, cp, po	Au
		10	1963	020	-45	15	126	py	Au, Ag
		11	1963	020	-45	9	156	py	Au, Ag
		12	1963	030	-45	24	260	cp, py	Au, Ag
		14	1963	140	-40	8	253	py, cp	Au

GDIF FORM NO. 3

CABOT TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
7	Jonsmith Mines Ltd.	13	1963	042	-50	71	681	py, hem, cp, po	Au, Ag
8	Jonsmith Mines Ltd.	15	1963	110	-45	10	1003	py, asp, hem, mag	Au, Ag
9	Claw Lake Gold Mines Ltd.	1	1946	293	-45	35	233	py, cp, gn	Au
		2	1946	263	-45	37	489	py, cp, gn	Au
		3	1946	230	-75	26	188	py, mo	Au
		4	1946	235	-45	17	502	py, mo	Au
		5	1946	240	-55	7	325	py	Au
		6	1946	275	-45	7	231	py	Au
		7	1946	275	-75	5	78	py	Au
10	Claw Lake Gold Mines Ltd.	8	1946	255	-45	7	407	py	Au
11	Claw Lake Gold Mines Ltd.	9	1946	210	-40	10	526	py, mo, gn, cp	Au
		10	1946	156	-40	25	525	py, mo, gn	Au
		11	1946	000	-47	7	271	py, mo	Au
		12	1946	187	-40	5	259	po, mo, gn	Au
		13	1946	160	-40	6	281	py	Au

GDIF FORM NO. 3

12 CABOT TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
12	Claw Lake Gold Mines Ltd.	14	1946	005	-45	11	342	py, cp	Au
		15	1946	005	-70	8	334	py	Au
		16	1946	000	-50	11	201	py	Au
		17	1946			17	17		
13	Claw Lake Molybdenum Mines Ltd.	J-1	1965	180	-40	10	805	py, mo, cp	
14	Hanna Mining Company, The	C.B.76-1A	1976	335	-55	272	697	gf, py, sp	Au, Zn
		C.B.76-1	1976	335	-60	152		py, gf	Au, Zn

GDIF FORM NO. 3

CABOT TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
5	By: Aerodat Ltd. For: Amax Minerals Exploration Ltd.	Total Field Aeromagnetic	200 ft.	N/S	1/8 mile
6	By: Dighem Surveys & Processing Inc. For: Manwa Exploration Services Ltd.	Dighem III electromagnetic/ resistivity/magnetic/VLF	32-52m	N/S	200m
10	By: Kenting Earth Sciences Ltd. For: The Hanna Mining Company	Electromagnetic and magnetic			
11	By: H. Ferderber Geophysics Ltd. For: Premier Explorations Ltd.	Magnetic and VLF-Electromagnetic	300 ft.	NE/SW	400 ft.

GDIF FORM NO. 4

CABOT TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
4a	Biogeochemcial: second year growth twigs	Cu, Mo, Pb, Zn, Ag in birch, balsamand alder trees	By: Bondar-Clegg & Co. Ltd. For: Canadian Johns-Manville	Cabot Twp. AF, Canadian Johns-Manville Co. Ltd.
4b	Geochemical: Soil sampling	Cu, Mo, Pb, Zn, Ag	By: Bondar-Clegg & Co. Ltd. For: Canadian Johns-Manville	Cabot Twp. AF, Canadian Johns-Manville Co. Ltd.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of July 20, 1988			

LANDSAT COLOUR PHOTO - NTS 31M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C_1	136/10

on File in Cobalt Office

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Cobalt.

Claw Lake Molybdenum Mines Ltd.

Jonsmith Mines Ltd.

Ventures Ltd.

ODM GENERAL INDEX SEARCH

Words searched:

Amax Minerals Exploration Ltd.
Cabot Lake
Cabot Township
Canadian Johns-Manville Co. Ltd.
Claw Creek
Claw Lake
Claw Lake Gold Mines Ltd.
Claw Lake Molybdenum Mines Ltd.
Dea, A. & I.
Elephant Head Creek
Forbes, Carl P. & Gary
Galata, Elemer

Index Volume	Listing:	Report Volume	Part	Page
2	Cabot Lake, Cabot tp.			
	Rocks. See map 35j with	35	6	
	Cabot Tp., Sud.			
	Area	35	6	58
	Economic possibilities	35	6	78
	Gold	35	6	80-82
	Granite	35	6	79
	Lamprophyre dikes	35	6	80
	Map. See map 35j with	35	6	
	Molybdenite	35	6	82
	Claw Lake, Cabot tp.			
	Rocks	35	6	78
	See also map 35j with	35	6	
	Lucid Lake, Cabot tp.			
	Gold. See Porcupine-Kirkland Gold Mines Ltd.			
	Saville, Thomas			
	Acknowledgement to	35	6	78
	Gold prospecting, Cabot tp.	35	6	80
	Connaught tp.	35	6	82
	of White Rock g.m.	29	1	90
		30	1	104
		35	6	94

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Glenburk Mines Ltd.
Hanna Mining Co., The
Jonsmith Mines Ltd.
Kennco Explorations (Canada Ltd.)
Ketchiwaboose Lake
Little Claw Lake
Lucid Lake
Mafic Lake
Manwa Exploration Services Ltd.
New Lorie Mines Ltd.
Parres, James R.B.
Paymaster Consolidated Mines Ltd.

Index Volume	Listing:	Report Volume	Part	Page
3	Cabot Tp., Sud.			
	Diatomite	43	3	60, 61
	Gdd, Genetic relations	43	3	44
	mg. properties	43	3	67-70
		44	7	46
	Rocks	43	3	43, 46, 56
	See also map 43c with	43	3	
	Claw Lake, Cabot tp.			
	Diatomite	43	3	60, 63
	Gold	43	3	44, 67, 68
	Rocks	43	3	46, 56, 57
	Claw Lake Gold Mines Ltd.			
	Incorporated	47	1	49
	Elephanthead Creek, Claw ck, Mattagami P.			
	Character	43	3	41
	Gold claims near	43	3	67
	Rocks	43	3	44, 56, 57
	Porcupine-Kirkland Gold Mines Ltd.			
	See also Ace Exploration & Holding Co.			
	Claims, Cabot tp., report and plan	43	3	69
	location. See map 43c with	43	3	

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Porcupine-Krikland Gold Mines Ltd. Ventures Ltd.
Premier Explorations Inc.
Robbie Lake
Saville, Thomas
Texasgulf Canada Ltd.
Tomac, John

Index Volume	Listing:	Report Volume	Part	Page
3	Saville, Thomas			
	Gold claims, Cabot tp.	43	3	68
	Tyrrell tp.	41	2	55
4	Paymaster Consolidated Mines Ltd.			
	Capital; officers; operations: (1940)	50	1	107-110
	(1941)	51	1	172-175
	(1942)	52	1	167-170
	(1943)	53	1	146-149
	(1944)	54	2	77-80
	(1945)	55	2	64, 65
	(1946)	56	2	73-75
	(1947)	57	2	75-77
	(1948)	58	2	63-65
	(1949)	59	2	61-63
	Dividends (to 1949)	59	1	12, 15
	Historical note	58	1	Table III
5	New Lorie Mines Ltd.			
	Change of name	60	1	46
	Paymaster Consolidated Mines Ltd.			
	Capital; officers; operations: (1950)	60	2	60
	(1951)	61	2	61-63
	(1952)	62	2	64-66
	(1953)	63	2	73-76
	(1954)	64	2	67-71
	Dividends (to 1949)	64	1	30, 36
8	Cabot & Kelvin Tps., Sudbury Dist.			
	summary of field work, 1975 by M.W. Carter	MP 63		76-79
	Cabot Tp., Sudbury Dist.			
	molybdenum	MRC 7		66

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Claw Lake Gold Mines Ltd.			
	Cabot Tp., Sudbury Dist.	MP 63		78
	Galata Property			
	Cabot Tp., Sudbury Dist.	MP 63		77, 78
	Jonsmith Mines Ltd.			
	Cabot Tp., Sudbury Dist.	MP 63		76-77, 78
	Kennco Expl. (Canada) Ltd.			
	Cabot Tp., Sudbury Dist.	MP 63		77
	Paymaster Consolidated Mines Ltd.			
	Kelvin Tp., Sudbury Dist.	MP 63		77, 78
	Saville Occurrence			
	Cabot Tp., Sudbury Dist.			
	mining property, report on	MRC 7		66
9	Amax Minerals Exploration Ltd.			
	Connaught Tp., Sudbury Dist.	GR 190		52, 58
	Cabot Tp., Sudbury Dist.			
	gold	MDC 18		50-51, 91
	Canadian Johns-Manville Prospect			
	Cabot Tp., Sudbury Dist.			
	report on property	MDC 18		50-51

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Elephant Head Creek			
	Connaught Tp., Sudbury Dist.	GR 190		46, 49, 52
	Glenburk-Jonsmith Prospect			
	See Jonsmith-Glenburk Prospect			
	Jonsmith-Glenburk Propsect			
	Cabot Tp., Sudbury Dist.			
	report on property	MDC 18		51
	Saville Occurrence			
	Cabot Tp., Sudbury District	MDC 18		91

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury & Temiskaming Dist. Ontario, Geological Compilation Series	ODM Map 2046	1:253 440
Pyke, D.R. Ayres, L.D., Innes, D.G.	1973	Timmins-Kirkland Lake Geological Compilation Series, Cochrane, Sudbury & Timiskaming District, Ontario	ODM Map 2205	1:253 440
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data	OGS OFR 5592	179p.
		GEOPHYSICAL MAPS		
GSC	1957	Aeromagnetic Map, Shining Tree, Ontario	GSC Map 285G	1:63 360
OGS	1979	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Geophysical, Geochemcial Maps 80372-80410	1:250 000
Gupta, V.K.	1981	Bouger Gravity and Generalized Geological Map of Gogama-Gowganda Area, NTS 41P, Timiskaming & Sudbury Districts, Ontario	OGS Map P.2481	1:100 000
Symons, D.T.A., Stupavsky, M.	1983	Grant No.143: Analysis of Aeromagnetic Anomalies over Algoman Type Iron Formations	OGS OFR 5476	
Redman, J.D., Strangway, D.W.	1986	Ontario Geoscience Research Grant Program, Grant No. 118, Surface Electromagnetic Mapping in Northern Ontario	OGS OFR 5615	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Surveys & Mapping Branch, EMR	1976	Sindair Lake	NTS 41P/14	1:50 000
Surveys & Mapping Branch, EMR	1976	Shining Tree, Ontairo	NTS 41P/11	1:50 000
Roed, M.A., Hallett, D.R.	1980	Gogama Area, NTS 41P/NW, Timmins & Sudbury Districts, Ontario	NOEGTS 82	
Roed, M.A., Hallett, D.R.	1980	NOEGTS Data Base Map, Gogama NTS 41P/NW, Timiskaming & Sudbury Districts	OGS Map 5019	1:100 000
		Cabot Township Claim Map	MNR Map Plan No. M.695	1"=40 ch.
MNR		Ontario Basic Map Sheets	OBM Maps 20 17 52800 4600 20 17 52800 4700 20 17 52700 4600 20 17 52700 4700	1:20 000
		MINERAL POTENTIAL		
Reid, J.A.	1943	Mineral Resources of the Timiskaming Silver-Cobalt Area, Ontario	ODM Bulletin No. 134	
Vokes, F.M.	1963	Molybdenum Deposits of Canada	GSC Econ. Geol. Rpt. No. 20	304 p.
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet & Part of Ville Marie Sheet, NTS 41P, 31MW, Timiskaming & Sudbury Districts, Ontario	OGS Map P.1514	1:250 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL		
Kretschmar, U., Kretschmar, D.	1980	Talc, Magnesite and Asbestos Deposits in the Kirkland Lake-Timmins Area, NTS 31M, 32D, 41O, 41P, 42A, 42B, Timiskaming & 2 AL Districts	OGS OFR 5310	
Hunter & Assoc. Ltd.	1984	Peat and Peatland Evaluation of the New Liskeard Area, NTS 31M/R & 41P/E, Timiskaming & 2 other Districts, Ontario	OGS OFR 5486	B. volumes
Long, D.G.F., Leslies, C.A.	1986	The Placer Gold Potential of the Early Aphebian Gowganda Formation along the Northern Margin of the Cobalt Embayment, Ontario with Comments on Associated Concentrations of Silver & Copper	OGS OFR 5608	
		GEOCHEMICAL		
Gloss, L.G., Sado, E.V.	1982	Bedrock and Overburden Geochemistry Investigations in the Midlothian Lake and Natal Lake Areas, NTS 41P/N, Sudbury & Timiskaming Districts, Ontario	OGS Study 24	
		GEOLOGICAL REPORTS AND MAPS		
Park, W.A.	1907	The Geology of a District from Lake Timiskaming Northward	*GSC Summary Report, 1904, Vol. XVI, Pt. A	pp. 198-225
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, District of Nipissing, Ontario	*GSC Separate Report 1075 *GSC Map 1076	 1:63 360

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS & MAPS		
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	*GSC Memoir 33 *GSC Map 64	1:63 360
Savage, W.S., Fenwick, K.G.	1962	Gogama Sheet, Districts of Sudbury and Timiskaming, Ontario	ODM Map P.151	1:126 720
Kuntina, Jan & Fabbri, Andrea	1971	Relationship of Structural Lineaments and Mineral Occurrences in the Abitibi area of the Canadian Shield	GSC Paper 71-9	36p.
Carter, M.W.	1976	Cabot Township, NTS 41P/11W-114W, Sudbury District, Ontario	ODM Map P.1104	1:15 840
Jolly, W.T.	1978	Metamorphic History of the Archean Abitibi Belt	GSC Paper 78-10	pp.63-78
Carter, M.W.	1980	Shining Tree Area, NTS 41P/11, Timiskaming & Sudbury Districts, Ontario	OGS Map P.2313	1:50 000
Carter, M.W.	1981	Shining Tree Area, NTS 41P/11, Timiskaming & Sudbury Districts, Ontario	OGS OFR 5346	
Carter, M.W.	1981	Geology of Cabot and Kelvin Townships, NTS 41P/11N, Sudbury District, Ontario	OGS OFR 5348	
Carter, M.W.	1984	Cabot and Kelvin Townships, NTS 41P/11N, Sudbury District, Ontario	OGS Map 2470	1:31 680
Legun, A.	1984	Huronian Stratigraphy and Sedimentation in the Cobalt area, NTS 31M/W & 41P, Ontario	OGS OFR 5508	
Carter, M.W.	1986	Geology of Cabot and Kelvin Townships, NTS 41P/11N, Sudbury District, Ontario	OGS Report 249	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS & MAPS		
Owsiacki, L., Anderson, D.P.	1987	Cobalt Resident Geologist's Area, Northeastern Region; in Report of Activities 1987, Regional and Resident Geologists, edited by C.R. Kustra, Ontario Geological Survey	OGS MP 138	pp.285-305
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
		No data available as of July 20, 1988		
		* Out of Print		

CABOT TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only the areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present or past producers.

AIR PHOTOS - on File in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Room 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	301	104	8-16
	209	103	36-43
	61	102	34-41
	56	101	33-41
	56	100	35-43
1963	22	4728	95-102
	23	4729	168-175
	23	4730	201-208
	24	4731	105-111
1970	11	4728	10-16
	23	4729	228-235
	48	4730	56-62
	48	4731	18-24

GDIF FORM NO.30

BURROWS

TOGO

KELVIN

10

9

1a

1b

2

7

12

3

5

6a

6b

6c

6d

4

11

Bobbie Lake

Mactie Lake

Ketchiwaboose Lake

Clon Creek

47°45′

81°20′

Ministry of Northern Development and Mines

Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 478 (CO)

(Map 1 of 2)

CABOT TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY FOLIO 478 (CO)

(Map 1 of 2)

CABOT TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

TOGO

KELVIN

CONNAUGHT

Ketchwaboose Lake

47°41'

81°27'

1a 1b 2 3 4 5 6a 6b 6c 6d 7 8 9 11 12

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

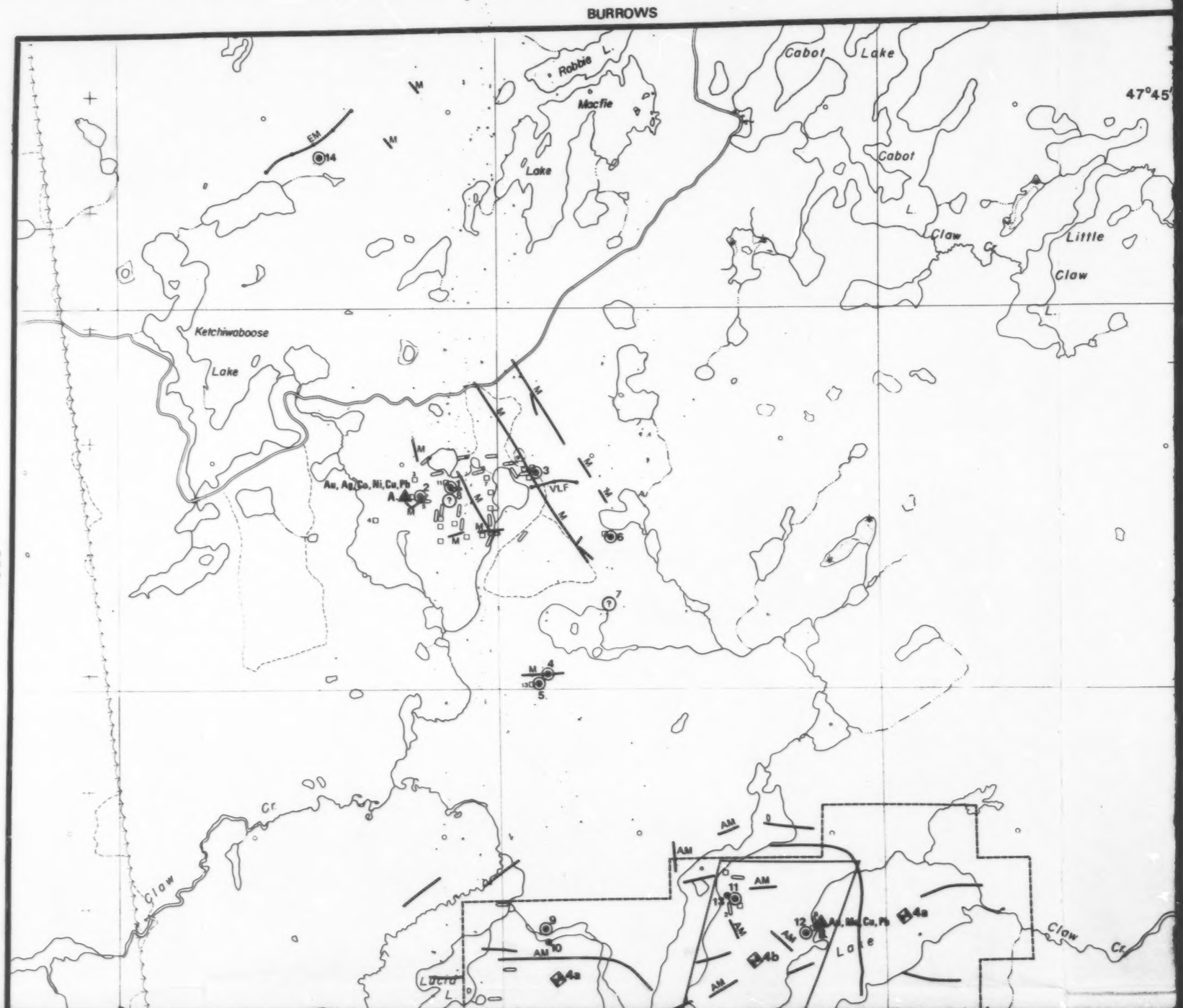
GEOPHYSICAL ANOMALIES

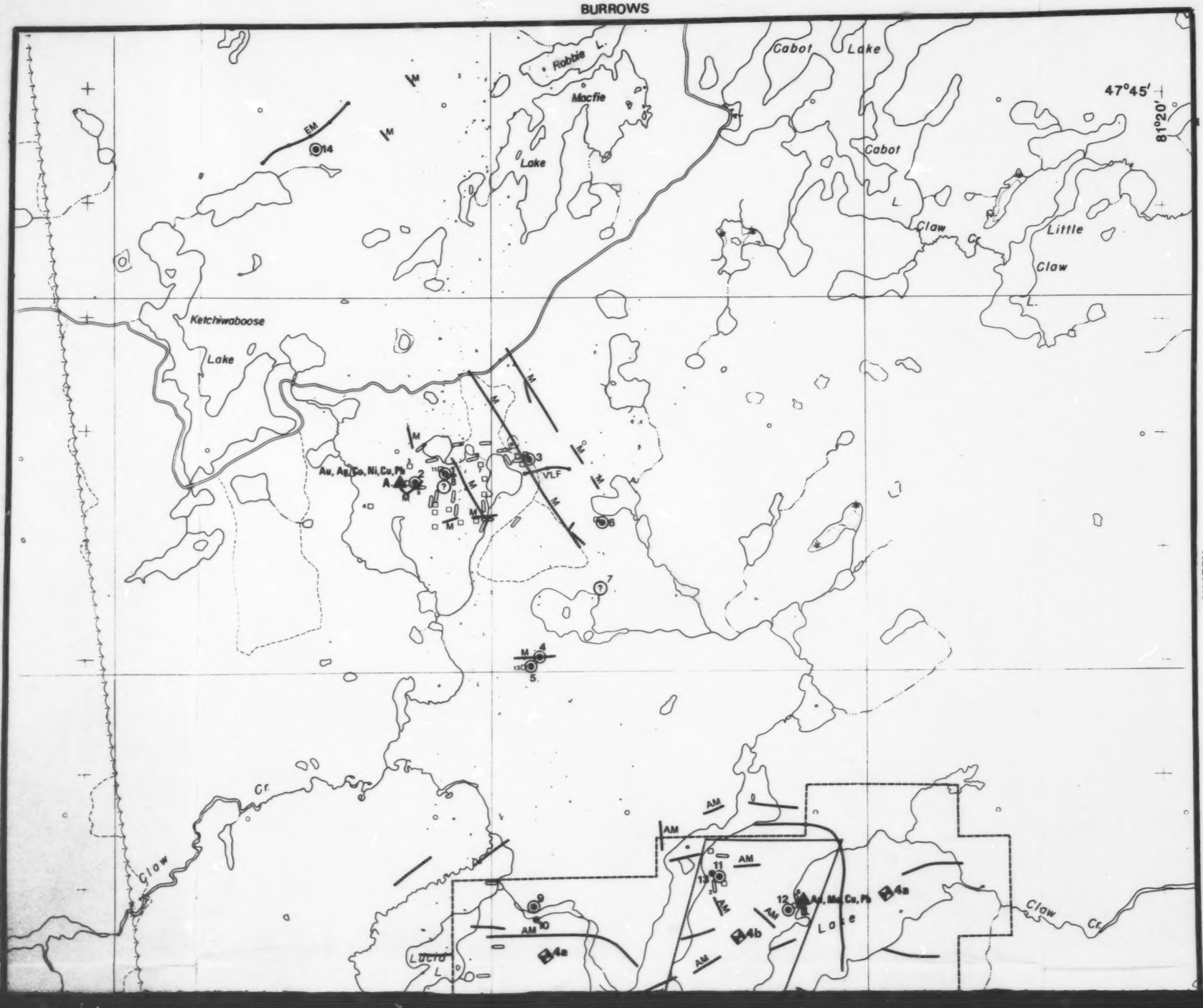
- Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

BURROWS

TOGO





Ministry of Northern Development and Mines

Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 478(CO)

(Map 2 of 2)

CABOT TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84° — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- Cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number

GEOPHYSICAL ANOMALIES

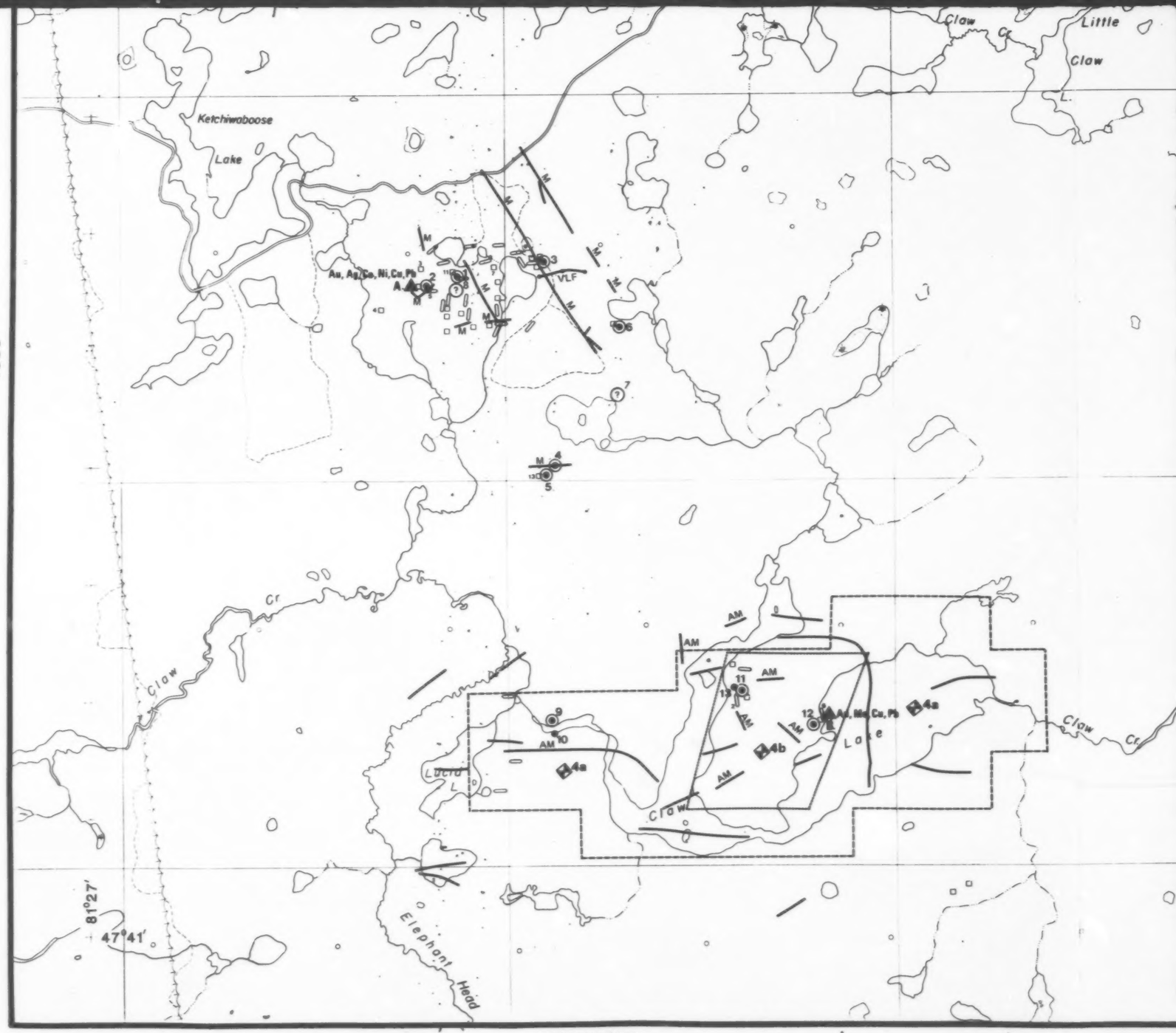
- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit
- Number of closely spaced trenches or pits

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

TOGO



CONNAUGHT

(Map 2 of 2)

CABOT TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

KELVIN

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

CONNAUGHT